|     |      |   |                              | ,    |      |                  |
|-----|------|---|------------------------------|------|------|------------------|
| S67 | 877  | frequency near2 offset near2 estimate\$4  | US-PGPUB;<br>USPAT           | OR   | ON . | 2005/09/19 09:37 |
| S68 | 220  | S67 and ofdm  | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/19 09:38 |
| S69 | 57   | S68 and @ad<"20001229"  | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/19 09:45 |
| S70 | 4    | ("5029184"   "5225062"  <br>"5228062"   "5608784").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON   | 2005/09/19 09:42 |
| S71 | 7    | ("5596582"   "5946292"  <br>"5953311"   "6058101"   "6269132"<br>  "6381251"   "6396803").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR   | ON   | 2005/09/19 09:44 |
| S72 | 1033 | (timing) near2 offset\$4 and frequency near2 (offset\$\$)                                     | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/19 09:45 |
| S73 | 204  | S72 and ofdm  | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/19 09:45 |
| S74 | 61   | S73 and @ad<"20001229"  | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/19 09:45 |
| S76 | 19   | tone same (magnitude same phase) same window\$4   | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/23 12:46 |
| S77 | 12   | S76 and @ad<"20001229"  | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/23 12:44 |
| S78 | 1017 | (magnitude same phase) same uniform   | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/23 12:46 |
| S79 | 7    | S78 and ofdm  | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/23 12:46 |
| S80 | 5    | S79 and @ad<"20001229"  | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/23 12:46 |
| S81 | 5    | analytic near2 tone   | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/30 09:06 |
| S82 | 1101 | uniform near2 (magnitude) or<br>uniform near2 (phase near2<br>rotation)                       | US-PGPUB;<br>USPAT           | OR . | ON   | 2005/09/30 09:08 |
| S83 | .2   | S82 and ofdm  | US-PGPUB;<br>USPAT           | OR . | ON   | 2005/09/30 09:07 |
| S84 | 4    | tone same (subchannel or<br>subcarrier) same reference near2<br>symbol                        | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/30 10:10 |
| S85 | 15   | tone same (subchannel or<br>subcarrier) same reference same<br>symbol                         | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/30 10:12 |
| S86 | 11   | S85 and ofdm  | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/30 10:10 |
| S87 | 238  | tone same (subchannel or<br>subcarrier carrier channel) same<br>reference same symbol         | US-PGPUB;<br>USPAT           | OR   | ON   | 2005/09/30 10:12 |

| Ref<br># | Hits | Search Query   | DBs                | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|--|--------------------|---------------------|---------|------------------|
| S1       | 4743 | ofdm   | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/30 09:04 |
| S2       | 19   | S1 and (summing) same (frequency near2 offset\$4)  | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/23 12:44 |
| S3       | 840  | S1 and (sum\$4) and frequency near2 offset\$4  | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/06 13:20 |
| S4       | 243  | S3 and @ad<"20001229"  | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/23 12:46 |
| S5       | 1047 | (summing sum) same (frequency near2 offset\$4)   | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/06 16:29 |
| S6       | 1047 | (summing sum) same (frequency near2 offset\$4)   | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/07 09:00 |
| S7       | 661  | S6 and @ad<"20001229"  | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/07 09:00 |
| S8       | 130  | (summing sum) same (frequency near2 offset\$4) and (timing near2 offset)                                   | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/07 09:00 |
| S9       | 57   | S8 and @ad<"20001229"  | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/07 09:22 |
| S10      | 8    | (US-5802117-\$ or US-6363084-\$ or US-6487252-\$ or US-6647066-\$ or US-6807241-\$ or US-6353642-\$). did. | USPAT              | OR                  | ON      | 2005/09/07 09:01 |
| S11      | 1    | S9 and S10   | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/07 09:02 |
| S12      | 8    | S9 and ofdm  | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/07 09:25 |
| S13      | 5    | analytic near2 tone  | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/23 12:43 |
| S14      | 8    | (tone) same (phase near2 rotation same magnitude)  | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/07 09:24 |
| S15      | 2    | S14 and @ad<"20001229"   | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/19 09:38 |
| S16      | 1    | (tone) same (phase same rotation same magnitude) same uniform  | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/07 09:25 |
| S17      | 48   | (phase same rotation same magnitude) same uniform  | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/07 09:40 |
| S18      | 43   | S17 and @ad<"20001229"   | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/07 09:41 |
| S19      | 25   | (uniform near2 (magnitude) or uniform near2 (phase)) same tone   | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/07 09:41 |
| S20      | 17   | S19 and @ad<"20001229"   | US-PGPUB;<br>USPAT | OR                  | ON      | 2005/09/23 12:44 |

| S21 | 1       | "20020126618".pn.  | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 08:59 |
|-----|---------|--|--------------------|------|------|------------------|
| S23 | 1       | "6353642".pn.  | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 09:05 |
| S25 | 4786    | ofdm   | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 09:06 |
| S26 | 74      | S25 and (tone) near2 detect\$4   | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 09:06 |
| S27 | 26      | S26 and @ad<"20001229"   | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 09:22 |
| S28 | 26      | S27 and (sum\$4)   | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 09:17 |
| S30 | 1195    | frequency near2 offset near2 estimat\$4  | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 10:01 |
| S31 | 63      | S30 same tone  | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 09:18 |
| S32 | 1936646 | 11same (interval window period)  | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 09:18 |
| S33 | 24      | S31 same (interval window period)  | US-PGPUB;<br>USPAT | OR . | ON   | 2005/09/12 09:18 |
| S34 | 12      | S33 and @ad<"20001229"   | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 09:21 |
| S35 | 798     | (guard) same tone  | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 09:22 |
| S36 | 78      | S30 and S35  | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 09:22 |
| S37 | 42      | S36 and @ad<"20001229"   | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/30 10:13 |
| S38 | 8       | (US-5802117-\$ or US-6353642-\$ or US-6363084-\$ or US-6487252-\$ or US-6647066-\$ or US-6771699-\$ or US-6807241-\$ or US-6891792-\$). did. | USPAT              | OR   | ON   | 2005/09/12 09:29 |
| S39 | 4       | S38 and tone   | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 09:59 |
| S40 | 3160    | tone same (sum\$4 or add\$4) same (window interval period cyclic)  | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 10:00 |
| S41 | 36      | S40 and S30  | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 10:01 |
| S42 | 17      | S41 and @ad<"20001229"   | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/12 10:53 |
| S43 | 63      | (tone same (frequency near2 offset near2 estimat\$4))  | US-PGPUB;<br>USPAT | OR   | ON . | 2005/09/19 07:23 |
| S44 | 28      | S43 and @ad<"20001229"   | US-PGPUB;<br>USPAT | OR   | ON   | 2005/09/19 07:37 |

| C45 | 40000 | (1-1-144 144) (1-1-144)   | 110 000:10         |      | 011 | 2005/00/40 07:24 |
|-----|-------|---|--------------------|------|-----|------------------|
| S45 | 10804 | (detect\$4 or receiv\$4) same (tone) same (channel or carrier or subcarrier)            | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:34 |
| S46 | 210   | S45 same window   | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:30 |
| 547 | 136   | S46 and @ad<"20001229"  | US-PGPUB;<br>USPAT | OR . | ON  | 2005/09/19 07:31 |
| S48 | 9     | S47 and ofdm  | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:33 |
| S49 | 820   | (frequency near2 offset).clm.   | US-PGPUB           | OR   | ON  | 2005/09/19 07:35 |
| S50 | 36    | S49 and (window).clm.   | US-PGPUB           | OR   | ON  | 2005/09/19 07:37 |
| S51 | 22    | frequency near2 offset same (window) same (tone)  | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:37 |
| S52 | 15    | S51 and @ad<"20001229"  | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:39 |
| S53 | 40    | (tone) same (reference) near2<br>symbol same (carrier subcarrier<br>channel)            | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:39 |
| S54 | 25    | S53 and @ad<"20001229"  | US-PGPUB;<br>USPAT | OR . | ON  | 2005/09/19 07:47 |
| S55 | 12413 | frequency near2 offset  | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:49 |
| S56 | 17    | S55 and (tone) same (guard adj<br>band or window cyclic near2 prefix)<br>same reference | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:49 |
| S57 | 14    | S56 and @ad<"20001229"  | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:50 |
| S58 | 1199  | frequency near2 offset near2 estimat\$4   | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:49 |
| S59 | 223   | S55 and (tone) same (guard adj<br>(band interval) or window cyclic<br>near2 prefix)     | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:54 |
| S60 | 117   | S59 and @ad<"20001229"  | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:54 |
| S61 | 113   | S58 and (tone) same (guard adj<br>(band interval) or window cyclic<br>near2 prefix)     | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 07:54 |
| S62 | 58    | S61 and @ad<"20001229"  | US-PGPUB;<br>USPAT | OR . | ON  | 2005/09/19 07:54 |
| S63 | 1097  | uniform near2 (magnitude phase near2 rotation)  | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 09:36 |
| S64 | 6     | S63 same tone   | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 09:37 |
| S66 | 12413 | frequency near2 offset  | US-PGPUB;<br>USPAT | OR   | ON  | 2005/09/19 09:37 |

| S88 | 111 | S87 and ofdm           | US-PGPUB;<br>USPAT | OR | ON | 2005/09/30 10:13 |
|-----|-----|------------------------|--------------------|----|----|------------------|
| S89 | 44  | S88 and @ad<"20001229" | US-PGPUB;<br>USPAT | OR | ON | 2005/09/30 10:13 |